

# Purchase Order Receipt Listing

Wednesday, November 11, 2015 1:17:10 PM

All amounts are calculated in domestic currency.

All Vendors PO ID PO30389 All Receipt Dates All Line Item Types  
All Item ID/GL/WOs All Rec. Employees All Currencies  
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MIRB Qty/ MIRB Reject Qty	Book Amt
Vendor ID \ Vendor Name VC-COP001 Thyssenkrupp Materials CA Ltd											
PO30389	1	No	M174R0.750 17-4 round bar .750 f m133587	f	11/18/2015 12.0000	11/11/2015 DCUSER	12.0000	\$4.07 \$48.87	0.0000 0.0000	0 0	\$48.87
	2	No	M304R0.375 304 ROUND BAR .375 m133587	f	11/18/2015 24.0000	11/11/2015 DCUSER	24.0000	\$1.12 \$26.77	0.0000 0.0000	0 0	\$26.77
	3	No	M304R0.750 304 SS Roundbar .750 m133587	f	11/18/2015 12.0000	11/11/2015 DCUSER	12.0000	\$2.58 \$30.97	0.0000 0.0000	0 0	\$30.97
	4	No	M304S18GA 304/316 .050 Sheet m133587	sf	11/18/2015 160.0000	11/11/2015 DCUSER	160.0000	\$2.78 \$445.50	0.0000 0.0000	0 0	\$445.50
	5	No	M304S24GA 304/316 .025 Sheet m133587	sf	11/18/2015 32.0000	11/11/2015 DCUSER	32.0000	\$2.27 \$72.66	0.0000 0.0000	0 0	\$72.66
	6	No	M6061T6B0.375X01. f 000 6061T6 BAR .375 x f 1.00 m133587	f	11/18/2015 24.0000	11/11/2015 DCUSER	24.0000	\$2.23 \$53.54	0.0000 0.0000	0 0	\$53.54
	7	No	M6061T6B1.000X02. f 000 6061-T6 Bar 1.00 x f 2.00 m133587	f	11/18/2015 12.0000	11/11/2015 DCUSER	12.0000	\$4.16 \$49.90	0.0000 0.0000	0 0	\$49.90
	8	No	M6061T6B1.500X02. f 500 6061-T6 Bar 1.50 x f 2.50 m133587	f	11/18/2015 12.0000	11/11/2015 DCUSER	12.0000	\$7.60 \$91.20	0.0000 0.0000	0 0	\$91.20

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M/ Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MIRB Qty/ MIRB Reject Qty	Book Amt
Vendor ID \ Vendor Name											
PO30389	9		VC-COP001 ThyssenKrupp Materials CA Ltd								
			M6061T6B30000X01T		11/18/2015	11/11/2015	6.0000	\$13.78	0.0000	0	\$82.68
CAD	No		6061-T6 Bar 3.00 x f		6.0000	DCUSER		\$82.68	0.0000	0	
			1.50								
			m133587								
	10		M6061T6S080		11/18/2015	11/11/2015	96.0000	\$2.87	0.0000	0	\$275.10
	No		6061-T6 .080 Sheet sf		96.0000	DCUSER		\$275.10	0.0000	0	
			m133587								
	17		71401-45		11/18/2015	11/11/2015	1.0000	\$0.00	0.0000	0	\$0.00
	No		PROCUREMENT		1.0000	DCUSER		\$0.00	0.0000	0	
			QUALITY								
			CLAUSES								
			m133587								
Total Received Quantity:											
Total Qty to Inspect (PO U/M):											
Total Reject Quantity:											
Total Receipt Value:											
Total Balance Due Quantity:											
391.0000											
0.0000											
0.0000											
\$1,177.19											
0.0000											

Ship From: THYSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 905-738-9033

B I L L O F L A D I N G

660  
596  
No: PEC 963109  
Ship Date 10 Nov 15 at 16:17 From PFW  
Probill  
Via VIM DELIVERY  
FOB CONCORD  
Frt PREPAID  
Route 0- 0 Manifest  
Vhcle Trailer  
Slp STAN IVERS (905-532-1350)  
Sold To: (20115)  
DART AEROSPACE  
1270 ABERDEEN ST  
HAWKESBURY, ON K6A 1K7

Ship To: (1)  
DART AEROSPACE  
1270 ABERDEEN ST  
HAWKESBURY, ON K6A 1K7  
Tel: 613-632-9577 Fax: 613-632-1053

B I L L O F L A D I N G

1) Our Order PEC-865173- 1 Your PO # 30389  
STAINLESS STEEL ROUND BAR 17-4 STAINLESS  
.750" DIA X 144.0000"

Heat Number Tag No  
266159 472569

Quantity  
12 FT

PCS  
1

MTR

Wt LBS  
18

2) Our Order PEC-865173- 2 Your PO # 30389  
STAINLESS STEEL ROUND BAR 304L  
.375" DIA X 144.0000"

Heat Number Tag No  
E141275 472570

Quantity  
24 FT

PCS  
2

MTR

Wt LBS  
9

3) Our Order PEC-865173- 3 Your PO # 30389  
STAINLESS STEEL SHEET 304-2B  
0250 Nom X 48.0000" X 96.0000"

Heat Number Tag No  
A1303883 472658

Quantity  
32.00 SFT

PCS  
1

MTR

Wt LBS  
32

4) Our Order PEC-865173- 4 Your PO # 30389  
ALUMINUM FLAT BAR 6061-T6511  
.375" x 1.00" X 144.0000"

Heat Number Tag No  
416010-1 472571

Quantity  
24 FT

PCS  
2

MTR

Wt LBS  
11

5) Our Order PEC-865173- 5 Your PO # 30389  
ALUMINUM FLAT BAR 6061-T6511  
1.00" x 2.00" X 144.0000"

Heat Number Tag No  
HK104-200 472572

Quantity  
12 FT

PCS  
1

MTR

Wt LBS  
29

Page: 1 ....Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

TVQ/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001

B I L L O F L A D I N G  
Ship From: THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 905-738-9033

No: PEC 963109  
Ship Date 10 Nov 15 at 16:17 From PFW  
Probill  
Via VIM DELIVERY  
FOB CONCORD  
Frt PREPAID  
Route 0- 0 Manifest  
Vhcle Trailer  
Slp STAN IVERS (905-532-1350)  
Sold To: ( 20115)  
DART AEROSPACE

Ship To: ( 1)  
DART AEROSPACE

B I L L O F L A D I N G

6) Our Order PEC-865173- 6 Your PO # 30389

ALUMINUM FLAT BAR 6061-T6511

1.50" x 2.50" X 144.0000"

Heat Number  
Z00635041

Tag No  
472573

Quantity  
12 FT

PCS  
1

Wt LBS  
52

MTR

7) Our Order PEC-865173- 7 Your PO # 30389

ALUMINUM FLAT BAR 6061-T6511

1.50" x 3.00" X 72.0000"

Heat Number  
Z00649040

Tag No  
472746

Quantity  
6 FT

PCS  
1

Wt LBS  
32

MTR

TOTAL:

Tags  
7

PCS  
9

LBS  
183

Heat Number  
266159  
416010-1  
A1303883  
E141275  
HK104-200  
Z00635041  
Z00649040

\*\*\* Chemical Analysis \*\*\*

1 crate 119V  
1 BDL - 505V  
1 - PCS - 300V

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT  
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR  
TO SHIPPING.

ATTN: CHANTAL/LINDA

\*\* ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER \*\*  
\*\* REFERENCED ON IT \*\*

2015-11-11

TOTAL 1 PKG, 1 BDL, 1 SKID GW. 272 LBS

Page: 2 ....Continued

ALUMINIUM - L'ALUMIN - QUINRE - PLASTIQUE - ACIER INOX  
ALUMINUM - BRASS - COPPER - PLASTICS - STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION  
TVQ/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001

DATE

## B I L L O F L A D I N G

Ship From:  
THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 905-738-9033

No: PEC 963109  
Ship Date 10Nov15 at 16:17 From PFW  
Probill  
Via VIM DELIVERY  
FOB CONCORD  
Frt PREPAID  
Route 0- 0 Manifest  
Vhcle Trailer  
Slp STAN IVERS (905-532-1350)  
Sold To: ( 20115)  
DART AEROSPACE

Ship To: ( 1)  
DART AEROSPACE

## B I L L O F L A D I N G

\*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA  
CONCORD, ONT.\* \*\*\* 9:00 AM TO 4:00 PM \*\*\*

\*\*\*\* TEL. 800-926-2600 \*\*\*\*

\*\*\*\*\*

\* WE STOCK STAINLESS STEEL \*

\* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT \*

\*\*\*\*\*

\*\*\*PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE  
ADDED TO EVERY ORDER.\*\*\*

Page: 3 .... Last

ALUMINIUM - LAITON - CUIVRE - PLASTIQUE - ACIER INOX  
ALUMINUM - BRASS - COPPER - PLASTICS - STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

TVQ/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001

8148

+ 8069

B I L L O F L A D I N G

Ship From: THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 905-738-9033

No: PEC 962968  
Ship Date 11 Nov 15 at 10:14 From PFW  
Probill  
Via VIM DELIVERY  
FOB CONCORD  
Frt PREPAID  
Route 0- 0 Manifest  
Vhcle Trailer  
Slp STAN IVERS (905-532-1350)  
Sold To: ( 20115)  
DART AEROSPACE  
1270 ABERDEEN ST  
HAWKESBURY, ON K6A 1K7

Ship To: ( 1)  
DART AEROSPACE  
1270 ABERDEEN ST  
HAWKESBURY, ON K6A 1K7  
Tel: 613-632-9577 Fax: 613-632-1053

B I L L O F L A D I N G

1) Our Order PEC-865177- 1 Your PO # 30389  
STAINLESS STEEL ROUND BAR 304L  
.750" DIA X 144.0000"

MTR

Heat Number	Tag No	Quantity	PCS	Wt LBS
W4W9	472574	12 FT	1	19

TOTAL:	Tags	PCS	LBS
	1	1	19

Heat Number W4W9 \*\*\* Chemical Analysis \*\*\*

ADDD ON TO 865173 SUR-CHARGE ADDED

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR TO SHIPPING.

ATTN: CHANTAL/LINDA

\*\* ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER \*\*  
\*\* REFERENCED ON IT \*\*

TOTAL 1 BDL GW. 25 LBS 1 BDL - 600

\*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA  
CONCORD, ONT.\* \*\*\* 9:00 AM TO 4:00 PM \*\*\*  
\*\*\*\* TEL. 800-926-2600 \*\*\*\*

\*\*\*\*\*  
\* WE STOCK STAINLESS STEEL \*

Page: 1 ....Continued

ALUMINIUM / ALUIN - COBRE - PLASTIQUE - BOITE NO  
ALUMINIUM - BRASS - COPPER - PLASTIC - STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
RAPPORTÉES IMMÉDIATEMENT.  
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY  
RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION  
TVQ/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001  
DATE



# B I L L O F L A D I N G

Ship From:  
 THYSSENKRUPP MATERIALS NA  
 2821 LANGSTAFF ROAD  
 CONCORD, ONTARIO L4K 5C6  
 Tel: 905 669 9444 Fax: 905-738-9033

No: PEC 962968  
 Ship Date 10Nov15 at 10:14 From PFW  
 Probill  
 Via VIM DELIVERY  
 FOB CONCORD  
 Frt PREPAID  
 Route 0- 0 Manifest  
 Vhcle Trailer  
 Slp STAN IVERS (905-532-1350)  
 Sold To: ( 20115)  
 DART AEROSPACE

Ship To: ( 1)  
 DART AEROSPACE

## B I L L O F L A D I N G

\* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT \*

\*\*\*\*\*

\*\*\*PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE  
 ADDED TO EVERY ORDER.\*\*\*

THYSSENKRUPP MATERIALS NA WILL CONDUCT THEIR  
 INVENTORY, SEPT. 24 & 25/2015. THERE WILL BE NO  
 CUSTOMER PICKUPS THOSE DAYS. HOWEVER, THE SALES  
 OFFICE WILL REMAIN OPEN.

Page: 2 .... Last

ALUMINIUM - LAITON - CUIVRE - PLASTIQUE - ACIER INOX  
 ALUMINUM - BRASS - COPPER - PLASTICS - STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
 RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
 MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION  
 TVQ/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001

DATE

# B I L L O F L A D I N G

Ship From:  
 THYSSENKRUPP MATERIALS NA  
 2821 LANGSTAFF ROAD  
 CONCORD, ONTARIO L4K 5C6  
 Tel: 905 669 9444 Fax: 905-738-9033

No: PEC 963106  
 Ship Date 10 Nov 15 at 16:15 From PFW  
 Probill  
 Via VIM DELIVERY  
 FOB CONCORD  
 Frt PREPAID  
 Route 0- 0 Manifest  
 Vhcle Trailer  
 Slp STAN IVERS (905-532-1350)  
 Sold To: ( 20115)  
 DART AEROSPACE  
 1270 ABERDEEN ST  
 HAWKESBURY, ON K6A 1K7

Ship To: ( 1)  
 DART AEROSPACE  
 1270 ABERDEEN ST  
 HAWKESBURY, ON K6A 1K7  
 Tel: 613-632-9577 Fax: 613-632-1053

## B I L L O F L A D I N G

1) Our Order PEC-865181- 1 Your PO # 30389  
 STAINLESS STEEL SHEET 304-2B  
 0480 Nom X 48.0000" X 96.0000"

Heat Number Tag No  
 DNJ007-AAC 472807

Quantity PCS Wt LBS  
 160.00 SFT 5 305

MTR

2) Our Order PEC-865181- 2 Your PO # 30389  
 ALUMINUM SHEET 6061 T6  
 0810 Nom X 48.0000" X 144.0000"

Heat Number Tag No  
 Z-1506Y6095 472810

Quantity PCS Wt LBS  
 96.00 SFT 2 109

MTR

3) Our Order PEC-865181- 3 Your PO # 30389  
 Part # TOL ++ /-- .145" Rel #  
 ALUMINUM PLATE 7075-T651 USI TESTED  
 4.00" THICK X 4.0000" X 32.0000"  
 \*\* GRAIN DIRECTION ALONG THE 32.00 INCH DIM \*\*\*  
 B/O

TOTAL: Tags 2 PCS 7 LBS 414

Heat Number \*\*\* Chemical Analysis \*\*\*  
 DNJ007-AAC  
 Z-1506Y6095

ADDD ON TO 865177 AND 865173 SUR-CHARGE ADDED

8015-11-16

Page: 1 ....Continued

ALUMINIUM - LAYTON - CUIVRE - PLASTIQUE - ACIER INOX  
 ALUMINUM - BRASS - COPPER - PLASTICS - STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
 RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
 MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

TVQ/QST# 1017327981 TQ001-TPS/GST TVH/HST # 140223934 RT0001



B I L L O F L A D I N G  
Ship From:  
THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 905-738-9033

No: PEC 963106  
Ship Date 10 Nov 15 at 16:15 From PFW  
Probill  
Via VIM DELIVERY  
FOB CONCORD  
Frt PREPAID  
Route 0- 0 Manifest  
Vhcle Trailer  
Slp STAN IVERS (905-532-1350)  
Sold To: (20115)  
DART AEROSPACE

Ship To: (1)  
DART AEROSPACE

B I L L O F L A D I N G

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT  
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR  
TO SHIPPING.

ATTN: CHANTAL/LINDA

\*\* ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER \*\*  
\*\* REFERENCED ON IT \*\*

TOTAL 2 SKIDS GW. 469 LBS

\*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA  
CONCORD, ONT.\* \*\*\* 9:00 AM TO 4:00 PM \*\*\*

\*\*\*\* TEL. 800-926-2600 \*\*\*\*

\*\*\*\*\*  
\* WE STOCK STAINLESS STEEL \*

\* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT \*

\*\*\*\*\*

\*\*\*PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE  
ADDED TO EVERY ORDER.\*\*\*

Page: 2 .... Last

ALUMINIUM - LAITON - CUIVRE - PLASTIQUE - ACIER INOX  
ALUMINUM - BRASS - COPPER - PLASTICS - STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

TVQ/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001

DATE

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL ROUND BAR 17-4 STAINLESS  
.750" DIA X 144.0000"  
PART NO.

PO/Rel 30389

We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.

## Certificate of Mill Test Results

Signed by:

BL PEC-963109-001

10Nov15

Pg 1/2

**Acciaierie  
Valbruna S.p.A.**



**CERTIFICATO DI COLLAUDO  
ABNAHMEPRUEFZEUGNIS  
INSPECTION CERTIFICATE  
CERTIFICAT DE RECEPTION  
EN 10204 (2004) , 3.1**

36100 VICENZA (Italia) - Viale della scienza, 25 z.l.  
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4  
Telefon number : 0039 (0) 44958211

Clienti / Besondere Kunden:  
VALBRUNA CANADA LTD  
8724 HOLGATE CRESCENT  
L5T 5Z1-MILTON, ONT L5T 5Z1-CA

Produttore: **ACCIAIERIE VALBRUNA S.P.A.**  
Hersteller/Usine productrice

Avviso di Spedizione: D-VI15012271  
Lieferanweisung/Letter of Instruction

Ordine nr.: 410004982 Stock - Canada  
Bestellnummer/Order/Commande

Certificato nr.: MEST681466/2015/  
Prüfung/Inspection

Conferma ordine nr.: E114010556  
Werk/Dia Order/Nr.

Marchio di Fabbrica:  
Zeichen des Lieferanten  
Trade mark  
Sigle de l'usine productrice

Punzone del Collaudatore:  
Stempel des Werksechverständigen  
Inspector's stamp/Personen de l'usine



Stato di fornitura: Hot rolled - COND. A Peeled Reeled/Polished  
Lieferzustand/Delivery state/Etat de livraison

Tipo di Elaborazione: E+AOD  
Ermittlungserstellung/Herstellung/Mode d'elaboration

Specifiche:  
Anforderungen / Requirements / Exigences

VSI 2.630 A  
AMS 5643 F (S17400 A)  
ASTM A564 2013 S17400 A

AISI 630  
ASME SA564 2013 S17400 A (0)

AMS 2303 F  
ASTM A370 2014

(0) SECTION II PT.A 2013 EDITION

Qualità: 630  
Wertstoff/Grade/Marque

Marca: V174  
Markenbezeichnung  
Designation

Tolleranza: ASTM A484-14a TABLE 7  
Toleranz/Tolerance

Punzonatura: 630  
Kannzeichnung/Markung/Marque

DAS  
14  
9-89

Pos. nr. Pos. nr. N. de poste	Oggetto Gegegenstand Product description Description du produit	Dimensioni - in Abmessungen Dimensions Dimensions	Lunghezza - in Länge Longueur Longueur	Cotata Schneide Heat Cutter	Pezzi Blückchen Pieces Pieces	Peso - LB Gewicht Poids Poids	Lotto nr. Lose Lot nr. Lot nr.
0020	Round	0,7500	146 / 147	266159		1.770	426809240

TEST ALLO STATO DI FORNITURA									
Test on delivery condition Prüfung auf lieferbereitem Produkt Test à l'état de livraison Prueba sobre el material así como entregado									
TEST	Provetta/Proben Sprosser/Sprössen Labs. Data, Date Werk Data, Datum Long. Data, Date	°F	Post. Saggio Proben Lage	Snervamento Zugversuch Yield Stress Limit Elastic	Snervamento Zugversuch Yield Stress Limit Elastic	Resistenza Zugversuch Tensile strength Resistance à traction	Allungamento Zugversuch Elongation Elongation	Strizione Zugversuch Reduction of area Striction	Resistenza Zugversuch Impact Value Resistance
Valori richiesti 1 Anforderungen/Required values Valeurs demandées		min max							
A									363
									344

TEST	min	max
A Delta Ferrite		5,0
A Grain size for ASTM E112		0,1 %
A RATINGS FREQUENCY		8
A RATINGS SEVERITY		1,10
		1,05

Sample cond. H900									
Tipo Trattamento Wärmebehandlung Heat Treatment Traitement	Temperatura Temperatur Temperature Temperature	Raffreddamento Abkühlen Cooling Refroidissement	Permanenza Haltezeit Retention Rétention	Tipo Trattamento Wärmebehandlung Heat Treatment Traitement	Temperatura Temperatur Temperature Temperature	Raffreddamento Abkühlen Cooling Refroidissement	Permanenza Haltezeit Retention Rétention	Tipo Trattamento Wärmebehandlung Heat Treatment Traitement	Temperatura Temperatur Temperature Temperature
Agire	900 °F	AIR	60						
TEST	Provetta/Proben Sprosser/Sprössen Labs. Data, Date Werk Data, Datum Long. Data, Date	°F	Post. Saggio Proben Lage	Snervamento Zugversuch Yield Stress Limit Elastic	Snervamento Zugversuch Yield Stress Limit Elastic	Resistenza Zugversuch Tensile strength Resistance à traction	Allungamento Zugversuch Elongation Elongation	Strizione Zugversuch Reduction of area Striction	Resistenza Zugversuch Impact Value Resistance
Valori richiesti 1 Anforderungen/Required values Valeurs demandées		min max		170		190	10	40	
B	12,5	68	L	184		203	15	49	437
									444

Mechanical properties according to ASTM A370.  
Delta Ferrite according to AMS 2315.

1) Lunghezza di saggio, Testenmaß/Länge, Testenmaß/Länge, Testenmaß/Länge

Vicenza, 28/04/15 VCO001 (Mod. MCE2)	Il collaudatore di stabilimento / der Werksechverständiger / Works inspector / L'agent d'usine M. Rizzotto	Pagina - 1 di 2
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# Acciaierie Valbruna S.p.A.



CERTIFICATO DI COLLAUDO  
ABNAHMEPRUEFZEUGNIS  
INSPECTION CERTIFICATE  
CERTIFICAT DE RECEPTION  
EN 10204 (2004), 3.1

QUALITY MANAGEMENT SYSTEM CERTIFIED BY LLOYD'S REGISTER

36100 VICENZA (Italia) - Viale della scienza, 25 z.l.  
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4  
Telephon number : 0039 (0) 44968211

Clienti / Kunden/Purchaser/Client  
VALBRUNA CANADA LTD  
8724 HOLLGATE CRESCENT  
L5T 5Z1-MILTON, ONT L5T 5Z1-CA

Produttore: ACCIAIERIE VALBRUNA S.P.A.  
Hersteller/Manufacturer

Avviso di Spedizione: D-VI15012271  
Lieferantrag/Ordering Ref. N.

Ordine nr. 410004982 Stock - Canada  
Bestell-/Your order/Commande

Certificato nr. MEST681466/2015/  
Prüfung/Proof

Conferma ordine nr. EI14010556  
Werk/Dur Order/Ref. n.

Marchio di Fabbrica:  
Zeichen des Werkschmelz:  
Trade mark:  
Sigle de l'usine productrice



Funzione del Collaudatore:  
Stamps des Werkssachverständigen  
Inspector's stamp/Fonction de l'inspecteur



Stato di fornitura: Hot rolled - COND. A Peeled Reeled/Polished  
Lieferzustand/Delivery state/Etat de livraison

Tipo di Elaborazione: E-AOD  
Erschmelzungs-/Melting process/Mode d'élaboration

## Analisi chimica

Chemische Zusammensetzung/Chemical analysis/Analyse chimique

Colata / Pour Schmelze/Coulée	min - max 0,070	1,00	1,00	15,80 17,80	0,50	3,00 5,00	3,00 5,00	-	0,030	0,050	-	-	-	-	-	-
C %	Si %	Mn %	Cr %	Mo %	Cu %	Ni %	Co %	S %	N %	Ta %	-	-	-	-	-	-
266159	0,039	0,44	0,50	15,17	0,19	3,22	4,58	0,053	0,001	0,040	0,0013	-	-	-	-	-

Colata / Pour Schmelze/Coulée	min 0,150 max 0,350	5°C 0,350	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nb%+Ta%	Cb(Nb)%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
266159	0,266	0,265	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Ultrasonic volumetric test according to ASTM A388: pass.  
Micro and macro elch test: satisfactory.  
Produced without class I-II Ozone depleting substances.  
Macroetch test per ASTM E340: acceptable.  
Furnace calibrated according to AMS-H-6875;A:APRIL 2006  
Reduction ratio = 103,2 : 1  
Material solution annealed 1904 °F for 1 h.,  
air cooled to below 90 °F.  
Material is DFARS Compliant

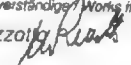
DAS  
14 15/11/12  
9-89

Sono state soddisfatte tutte le condizioni richieste  
Die gestellten Anforderungen sind in Anlage erfüllt  
The demand has been furnished in accordance with the requirements  
Le matériel a été livré conforme aux exigences

Controllo antimescolanza: OK  
Verwechselungs-/Mischungsprüfung: erfolgreich  
Ankennung / Mixing prevented: OK  
Controllo antimescolanza: OK

Controllo visivo e dimensionale: soddisfa le esigenze  
Berechnung und Ausmessung: ohne Beanstandung  
Visual inspection and dimensional checks satisfactory  
Controlle visuel et dimensionnel: satisfaisant

Melted and manufactured in Italy No welding or weld repair Material free from Mercury contamination  
We declare that the finished product is checked for radioactive contamination through Portal System when it leaves the production plant.  
The Quality Management System is Certified acc. Pressure Equipment Directive [97/23/EC] Annex 1, s. 4.3 by TÜV and LLOYD'S  
Any act of tampering, modification, alteration, counterfeiting and/or falsification and/or any other action which modifies the contents of this test certificate shall constitute a violation of applicable civil and criminal laws. Acciaierie Valbruna shall protect its rights and interests before any competent court, authority and jurisdiction  
The supplied product conforms to requirements expressly requested by the purchaser and conforms to requirements specified by certified norms and standards. Should the product be used for more severe, critical and/or in any case different applications than those the material is generally intended for, any different and/or supplementary requirements shall be specifically demanded, at least, upon order of the Product by the Purchaser. Acciaierie Valbruna SpA shall not be responsible for any improper use of the Products.

Vicenza, 28/04/15 MCE22 (Mod. MCE2)	Il collaudatore di stabilimento / der Werkssachverständige / Works inspector / L. agent d'usine M. Rizzotto 	Pagina - 2 di 2
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# THYSSENKRUPP MATERIALS NA

DART AEROSPACE  
STAINLESS STEEL SHEET 304-2B  
.0250 Nom X 48.0000" X 96.0000"  
PART NO.

P.O./Ref: 30389  
We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC-963109-003

10 Nov 15  
Pg 1/1

### 产品质量证明书 MATERIAL TEST CERTIFICATE

无锡宝昌金属制品有限公司  
Wuxi Baochang Metal Products Co. Ltd

PAGE 2 OF 2

单号: EX1309301GS  
货方: GLOBAL STAINLESS STEEL INC.  
用: 家: GLOBAL STAINLESS STEEL INC.

品名: STAINLESS STEEL SHEETS,  
Commodity: SLIT RIDGE  
标: ASTM A240/A240M  
Specification

牌号: 304  
Type: 表面加工  
Surface Finish

2B

编号: EX1309301  
Invoice No.:  
发行日期: 2013-10-26  
Date

序号 No.	货物编号 Product No.	产品尺寸			数量 Number	重量 Weight Kg	拉伸试验			表面 硬度 Hardness HHR	炉批号 HEAT NO.	化学成分 ( % )							
		Product Size					Tensile Test					Chemical Composition ( % )							
		厚度 Thickness MM	宽度 Width MM	长度 Length MM			屈服强度 0.2% YS N/mm <sup>2</sup>	抗拉强度 TS N/mm <sup>2</sup>	延伸率 EL %			C	Si	Mn	P	S	Ni	Cr	N
12	13102612	0.6096	1219.2	2438.4	118	1612	250	690	57	83	A1303883	0.0400	0.390	1.1300	0.0350	0.0010	8.0200	18.120	0.0400
13	13102613	0.6096	1219.2	2438.4	118	1616	250	690	57	83	A1303883	0.0400	0.390	1.1300	0.0350	0.0010	8.0200	18.120	0.0400
14	13102614	0.7620	1219.2	2438.4	88	1644	271	665	58	89.5	A1303883	0.0400	0.390	1.1300	0.0350	0.0010	8.0200	18.120	0.0400
15	13102615	0.7620	1219.2	2438.4	87	1626	271	665	58	89.5	A1303883	0.0400	0.390	1.1300	0.0350	0.0010	8.0200	18.120	0.0400
16	13102616	1.2192	1219.2	2438.4	54	1494	267	695	55	87	A1303987	0.0400	0.550	1.1000	0.0330	0.0010	8.0200	18.160	0.0400
17	13102617	1.2192	1219.2	2438.4	50	1378	267	695	55	87	A1303987	0.0400	0.550	1.1000	0.0330	0.0010	8.0200	18.160	0.0400
18	13102618	1.2192	1219.2	3048	42	1460	267	695	55	87	A1303987	0.0400	0.550	1.1000	0.0330	0.0010	8.0200	18.160	0.0400
19	13102619	1.2192	1219.2	3048	45	1574	267	695	55	87	A1303987	0.0400	0.550	1.1000	0.0330	0.0010	8.0200	18.160	0.0400
20	13102620	1.5240	1219.2	2438.4	43	1485	271	680	52	87	A1303988	0.0400	0.430	1.1300	0.0380	0.0010	8.0300	18.230	0.0300
21	13102621	1.5240	1219.2	2438.4	43	1487	271	680	52	87	A1303988	0.0400	0.430	1.1300	0.0380	0.0010	8.0300	18.230	0.0300
22	13102622	1.9050	1219.2	2438.4	40	1725	268	650	55	84	A2304006	0.0300	0.440	1.1500	0.0380	0.0010	8.1000	18.250	0.0400
23	13102623	1.9050	1219.2	2438.4	41	1755	268	650	55	84	A2304006	0.0300	0.440	1.1500	0.0380	0.0010	8.1000	18.250	0.0400
24	13102624	3.0480	1219.2	3048	17	1482	280	675	54	84	A1303883	0.0400	0.390	1.1300	0.0350	0.0010	8.0200	18.120	0.0400
25	13102625	3.0480	1219.2	3048	19	1656	280	675	54	84	A1303883	0.0400	0.390	1.1300	0.0350	0.0010	8.0200	18.120	0.0400

技术本部

备注 (Remarks):  
1. 尺寸和表面: 合格  
Size and Surface: Guaranteed

按证明所列产品符合订单和标准的制造要求

技术本部

WE HEREBY CERTIFY THAT THE MATERIAL HEREIN  
HAS BEEN MADE IN ACCORDANCE WITH THE ORDER AND  
SPECIFICATION

无锡宝昌金属制品有限公司  
Wuxi Baochang Metal Products Co. Ltd

\*此报告仅可完全复制  
\*The report can only be copied completely

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511

.375" x 1.00" X 144.0000"

PART NO.

PO/Rel 30389

We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC-963109-004

10Nov15

Signed by: 

Pg 1/1

### CAN ART

ALUMINUM EXTRUSION INC.

## Material Test Report

Manifest: 296397

Ship To: ThyssenKrupp Materials NA

2821 Langstaff Road

Concord, ON L4K 5C6

Ticket:

5429222

Our Order: 416010 - 1

Cust P.O.: 268760

Die: ES05691

Part: 05691-000-144

Alloy Temper: 6061 T6511

Description: .375 x 1.000

Print Date: 7/29/15

DAS  
14  
15/11/12

### Chemical Composition Range

	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	OtherEach	OtherTotal
6061										
Min	0.40		0.15		0.8	0.04				
Max	0.8	0.7	0.40	0.15	1.2	0.35	0.25	0.15	0.05	0.15

### Mechanical Properties

Strength ksi

Sample ID	Cast #	Lot #	Test Date	Ultimate Tensile	Yield 2% offset	Elongation 2" gage length
407475	15071291B	A11	7/27/15	43.24	39.27	16.3

Applicable Specifications: ASTMB221-13 AMS-QQ-A200/8

Country of Origin: 85 Parkshore Drive, Brampton, Ontario CANADA L6T 5M1

Can Art Aluminum Extrusion Inc. certifies that materials shipped under this order have been inspected and tested in accordance with Aluminum Association and agreed upon customer specifications. Can Art assumes no liability for additional costs which may be incurred during the customer's manufacture and sale of its products, and is subject only to the replacement of any materials not within agreed upon specifications provided written notification is received by Can Art within 30 days from the date of shipment.

Siddharth Desai - Tensile Testing

Authorized:

  
Evan Eng, Quality Assurance Manager

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511  
1.50" x 2.50" X 144.0000"  
PART NO.

PO/Rel 30389

We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC-963109-006

10Nov15

Signed by: *[Signature]*

Pg 1/1

**KAISER**  
**ALUMINUM**  
**FABRICATED PRODUCTS**

*Best in Class*

### CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM  
FABRICATED PRODUCTS, LLC  
5205 KAISER DRIVE  
KALAMAZOO, MI 49048

CUSTOMER PO NUMBER: PEC-269785-3		CUSTOMER PART NUMBER: 470/STK		PRODUCT DESCRIPTION: 1.500 X 2.500 SC RECT BAR	
KAISER ORDER NUMBER: 693752	LINE ITEM: 003	SHIP DATE: 09/10/2015	KAISER LOT NUMBER: Z00635041	ALLOY: 6061	TEMPER: T6511
WEIGHT SHIPPED: 1058.000 LB	QUANTITY: 20.000 PCS	B/L NUMBER: 613147	DIAM/BAFF THICKS:	WIDTH:	LENGTH: 12.000 FT
SHIP TO:  THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA			SOLD TO:  THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA		

DAS  
14 15/11/12  
9-89

### Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
Z00635041	0001	0001	49.8	46.6	16.8	RE 92	N/A	N/A
Z00635041	0001	0002	50.4	47.2	15.7	RE 94	N/A	N/A
Z00635041	0001	0003	49.1	45.8	12.7	RE 93	N/A	N/A

### Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
105251	.73	.26	.27	.12	.84	.09	.15	.02	.00	.00	.00	.01	.03

### Applicable Requirements:

ASTM-B221-M STENCILED ASME-SB221 1998 SECT II AMS-QQ-A-200/8 97 (REAF 2012) UNS#A96061  
(T6511 also conforms to T6-not applicable to other tempers)

### Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA  
MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY  
OF ITS COMPOUNDS ARE UTILITZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

### CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been  
inspected and tested and found in conformance with applicable specifications forming a part of the  
description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on  
Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Aimee L. Macnowski, Quality & Technology Manager

*Aimee L. Macnowski*

Plant Serial: 00193193

Kaiser Order Number: 693752

Line Item: 003



# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511

1.50" x 3.00" X 72.0000"

PART NO.

PO/Rel 30389

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC-963109-007

10Nov15

Signed by: *[Signature]*

Pg 1/1

**KAISER**  
**ALUMINUM**  
**FABRICATED PRODUCTS**

KAISER ALUMINUM  
FABRICATED PRODUCTS, LLC  
5205 KAISER DRIVE  
KALAMAZOO, MI 49048

### CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

CUSTOMER PO NUMBER: <b>PEC-270868-4</b>		CUSTOMER PART NUMBER: <b>471/STK</b>		PRODUCT DESCRIPTION: <b>1.500 X 3.000 SC RECT BAR</b>	
KAISER ORDER NUMBER: <b>696737</b>	LINE ITEM: <b>004</b>	SHIP DATE: <b>10/30/2015</b>	KAISER LOT NUMBER: <b>Z00649040</b>	ALLOY: <b>6061</b>	TEMPER: <b>T6511</b>
WEIGHT SHIPPED: <b>1524.000 LB</b>	QUANTITY: <b>24.000 PCS</b>	B/L NUMBER: <b>613715</b>	DIAM/DAE/THKNS: <b></b>	WIDTH: <b></b>	LENGTH: <b>12.000 FT</b>
SHIP TO:  THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA <i>14 15/11/12</i> <i>9-89</i>			SOLD TO:  THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA		

### Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
Z00649040	CC01	0001	43.5	39.0	19.5	RE 90	N/A	N/A
Z00649040	CC01	0002	44.3	40.3	17.4	RE 90	N/A	N/A

### Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.30	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
105432	.59	.26	.20	.08	.86	.07	.04	.02	.00	.00	.00	.01	.04

### Applicable Requirements:

ASTM-B221-14 STENCILED ASME-SB221 1996 SECT II AMS-QQ-A-200/6A UNS#A96061 (T6511 also conforms to T6-not applicable to other tempers)

### Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA

MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY OF ITS COMPOUNDS ARE UTILIZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

### CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Aimee L. Macnowski, Quality & Technology Manager

*Aimee L. Macnowski*

Plant Serial: 00200833

Kaiser Order Number: 696737

Line Item: 004

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL ROUND BAR 304L

.375" DIA X 144.0000"

PART NO.

PO/Rel 30389

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC-963109-002

10Nov15

Signed by: 

Pg 1/1

outokumpu  
high performance stainless steel



## Certificate of Test

Page: 1

HEAT E141275 / ORDER 654149/ 07 BOL 0230825 \* CERTIFICATION \* 01/29/15

SHIP TO:  
COPPER AND BRASS SALES  
8001 THYSSENKRUPP PARKWAY

NORTHWOOD 436190000

5400234633

YOUR ORDER & DATE  
9/08/14 CUST# 0316001 CUST TAG#SSRD00578

ITEM DESCRIPTION  
GRADE 304L/304 Ship Condition CONDA  
Size 304L RND CDA CONDA .3750 x 144.000 RD  
Country of Melt: UNITED KINGDOM Country of Mfg.: UNITED STATES  
NAFTA Country of Origin is Country of Melt

No weld repair  
Free of mercury contamination, Free of radiation contamination  
No WEEE relevant substances; Meets EU electrical ROHS

DAS

14

9-89

Total Bundles 1 Total Weight 1190 Approx. Hot Red. Ratio 242:1

WO 2053988 Bundles: 1V

SPECIFICATIONS  
MFG TO FINISHED BAR IN THE USA FROM BILLETS IMPORTED UNITED KINGDOM  
AMS 5639H, 5647J SAE AMS-00-S-763C  
ASME SA182 2007-2013 Ed ASME SA479 2007-2013 Ed.  
ASTM A182 13a ASTM A262 98 Practice E  
ASTM A276 13a ASTM A479/A479M 14  
ASTM A484 14a ASTM E112 96  
DIN 50049/EN 10204 Type 3.1 Solution Annealed Condition  
DFARS 252.225.7009 10/4/11 DFARS 225.7002-3(B)(1)  
Federal Spec QQ-S-763F NACE MR0175-09, mid-rad hard  
Prodec Quality UNS S30400, AISI 304  
ASTM F899 12

MECHANICAL & OTHER TESTS  
Hardness as shipped 223 HB  
Hardness as shipped (96 HRC)  
Grain size 6.0  
Micro OK  
Intergranular corrosion OK  
Tensile strength, KSI (MPa) 100.6 (694)  
0.2% Yield Strength, KSI (MPa) 81.9 (565)  
Elongation % in 4D 48.0  
Reduction of area % 72.1

CHEMICAL COMPOSITION  
Carbon (C) .025 Manganese (Mn) 1.800  
Phosphorus (P) .037 Sulphur (S) .025  
Silicon (Si) .260 Chromium (Cr) 18.470  
Nickel (Ni) 8.190 Cobalt (Co) .123  
Copper (Cu) .620 Moly (Mo) .400  
Nitrogen (N) .069 Columbium (Cb) .012  
Titanium (Ti) .003 Aluminum (Al) .006  
Tin (Sn) .008 Boron (B) .001  
Tantalum (Ta) .001 Vanadium (V) .060  
Tungsten (W) .029  
Columbium/ Tantalum (Cb+Ta) .013  
Iron (Fe) Balance  
Melt Practice EAF  
Refining Practice AOD  
De-long Ferrite

Knowingly & willfully falsifying or concealing a material act on this form, or making false, fictitious or fraudulent statements or representations herein could constitute a felony punishable under federal statutes. We hereby certify that the test results shown in this report are correct and accurate as contained in the records of the company and are in compliance with the specifications, codes, and standards listed above.

Outokumpu Stainless Bar, LLC  
3043 Cranshaw Pkwy.  
Richburg, SC 29729

M.F. Marcanio, Quality Manager

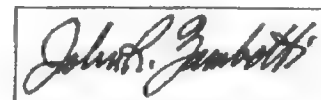


From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS NA - ECAD Del.: 2403699371

CstAr CstOr 265170

Wgt.: 55 LB Date 02/24/2015



# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511

1.00" x 2.00" X 144.0000"

PART NO.

PO/Rel 30389

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC-963109-005

10Nov15

Signed by:

Pg 1/2

**KAISER**  
**ALUMINUM**  
**FABRICATED PRODUCTS**

KAISER ALUMINUM  
FABRICATED PRODUCTS, LLC  
5205 KAISER DRIVE  
KALAMAZOO, MI 49048

## CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

CUSTOMER PO NUMBER: PEC-270243-4		CUSTOMER PART NUMBER B22/STK		PRODUCT DESCRIPTION 1.000 X 2.000 SC RECT BAR	
KAISER ORDER NUMBER: 695075	LINE ITEM: 004	SHIP DATE: 10/01/2015	KAISER LOT NUMBER: HK104-200	ALLOY: 6061	TEMPER: T6511
WEIGHT SHIPPED: 0.000 LB	QUANTITY: 0.000 PCS	B/L NUMBER: 613391	DIAM/BAF/THKNS. 	WIDTH: 	LENGTH FT
SHIP TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA			SOLD TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA		

DAS  
14 15/11/12  
9-89

### Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
HK104-200	0001	1	51.4	45.7	18.0	RE 91	N/A	N/A
HK104-200	0002	2	44.7	36.1	22.0	RE 91	N/A	N/A
HK104-200	0003	3	54.7	49.5	14.0	RE 93	N/A	N/A
HK104-200	0004	4	44.1	36.4	20.0	RE 94	N/A	N/A
HK104-200	0005	5	44.3	37.1	18.0	RE 90	N/A	N/A
HK104-200	0006	6	44.2	37.1	20.0	RE 90	N/A	N/A
HK104-200	0007	7	44.2	36.9	20.0	RE 97	N/A	N/A
HK104-200	0008	8	44.6	37.7	20.0	RE 95	N/A	N/A

### Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
T50811	.60	.22	.26	.07	.83	.05	.01	.00	.00	.00	.00	.00	.00

### Applicable Requirements:

ASTM-B221-11 STENCILED ASME-SB221 1998 SEC1 II (AMS-QQ-A-200/3-97 (REF 2012) UNS#A96061  
(T6511 also conforms to T6-not applicable to other tempers)

### Miscellaneous Notes

MANUFACTURED IN USA (SHERMAN, TX) MELTED IN USA  
MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY OF ITS COMPOUNDS ARE UTILIZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

Plant Serial: 00196228

Kaiser Order Number: 695075

Line Item: 004

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511

1.00" x 2.00" X 144.0000"

PART NO.

PO/Rel 30389

We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC-963109-005

10Nov15

Signed by: *[Signature]*

Pg 2/2

**KAISER**  
**ALUMINUM**  
**FABRICATED PRODUCTS**

KAISER ALUMINUM  
FABRICATED PRODUCTS, LLC  
5205 KAISER DRIVE  
KALAMAZOO, MI 49048

*Best in Class*

## CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

### CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Aimee L. Macnowski, Quality & Technology Manager

*Aimee L. Macnowski*

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE  
STAINLESS STEEL ROUND BAR 304L  
1.50" DIA X 144.0000"  
PART NO.

PO:REL 30389

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results  
BL PEC-962968-001  
10Nov15  
Pg 1/1



## METALLURGICAL TEST REPORT

North American Stainless Canada Inc.  
740 Imperial Road North  
Guelph, ON N1K1Z3  
Canada

740 Imperial Road North

Certificate: 108552 1

Customer: 007206 001

Mail To:  
THYSSENKRUPP MATERIALS  
2821 LANGSTAFF ROAD  
CONCORD, ON L4K5C6

Ship To:  
THYSSENKRUPP MATERIALS  
2821 LANGSTAFF ROAD  
CONCORD, ON L4K5C6

Date: 10/27/2015 Page: 1

Steel: 304/304L

Finish: CD

Corrosion: ASTM A262-10 PRAC A/E OK

Your Order: PEC270795

NAS Order: IN 0219688 01

### PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw  
UNS 30400/30403 EN 10204 3.1, ASTM A484/13a  
ASTM A276/13, ASTM A479/13a, ASTM A182/13 CHEM ONLY,  
ASTM B473/13, ASME SA182/10 CHEM ONLY  
AMS 5639H, AMS 5647J, AMS Q08-763C, Q08-763F, ASTM F899/11  
SOLUTION ANNEAL TEMP 1900F MIN, ASTM A320/08 CL 1 GR B8  
ASTM A193/10A-ASME SA193/10 CL 1 GR B8

### REMARKS:

COMPLIES W/REQUIREMENTS OF DFAR 252.225-7009 EU DIRECTIVE  
2011/65/EU, ROHS, EAF+AOD+CC. NO WELD REPAIR. MELTED AND NEG  
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION  
DAS  
14 15/11/2  
9-89

Product Id	Skid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BH4427 3		1.500		845	144.00	1	1	

### CHEMICAL ANALYSIS

CM(Country of Met) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323  
Chemical Analysis per ASTM A751/08

HEAT	CM	C %	CO %	CR %	CU %	MAN %	MO %	N %	NI %	P %
W4W9	US	.0134	.1875	18.0965	.3490	1.3395	.3235	.0756	8.5020	.0270

S % .0275  
SI % .3395

### MECHANICAL PROPERTIES

Product Id	1 d 0.1 in 0.1 in	KB KO.	.2YS KSI	UTS KSI	RA %	Elong % AD
BH4427 3	R L	201.0	80.02	99.25	72.33	48.18

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical  
Depc. Mgr.

10/27/2015

# THYSSENKRUPP MATERIALS NA

P.O. Ref 30390

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

BL PEC-963106-001

10 Nov 15  
Pg 1/1

## Certificate of Mill Test Results

STAINLESS STEEL SHEET 304/2B  
0480 Nom X 48.0000" X 96.0000"  
PART NO.



源盛鋼鐵股份有限公司  
YUEN CHANG STAINLESS STEEL CO., LTD.

### 檢驗證明書

DAS

MILL TEST CERTIFICATE(S) 14

列印日期 ISSUE DATE: 2014/12/24 9-89

高雄市中區中正路235號13F  
13F, No. 235 Jungfeng 4th Road, Chienjin  
Chiuh, Kaohsiung, Taiwan  
TEL: 886-7-9695858 FAX: 886-7-9685768  
http://www.yuenchang.com.tw

客戶名稱 Customer Thyssenkrupp Steel Services  
A Division of Thyssenkrupp Materials NA Inc 22355 West Eleven Mile Road Southfield, MI 48033 U.S.A

商品描述 Desc. Prime, Cold Rolled Stainless Steel Sheets, Sifted Edge, As Per ASTM A240/A480 In Grade 304, 2B Finish  
Of Goods Prime, Cold Rolled Stainless Steel Sheets, Sifted Edge, As Per ASTM A240/A480 In Grade 304, 2B Finish

項目 Item	鋼花編號 Coil No.	爐號 Heat Number(s)	鋼種 Steel Grade	表面 Finish	產品尺寸 Thickness x Width x Length	淨重 Net Weight (KGS)
AB009	CCBA0302-11	DND007-AAC	304	2B	0.047" x 48" x 96"	1,446
AB005	CC3C0728-19	ANJ015-AB8	304	2B	0.059" x 48" x 96"	1,485
AB019	CCBC0728-32	ANJ015-AB8	304	2B	0.059" x 48" x 96"	1,485
AB002	CCBC0728-14	ANJ015-AB8	304	2B	0.059" x 48" x 120"	991
AB003	CCBC0728-15	ANJ015-AB8	304	2B	0.059" x 48" x 120"	992
AB010	CARQ3668-27	BNE007-AB8	304	2B	0.059" x 60" x 120"	1,452
AB012	CCYK0271-21	ANJ014-AAF	304	2B	0.106" x 48" x 120"	1,454
AB006	CAWB0299-09	BN-G001-AAF	304	2B	0.118" x 48" x 96"	972

### 化學成分 Chemical Analysis

(%)

### 機械性質 Mechanical Properties

Item	C	Si	Mn	P	S	Cr	Ni	N	Cu	Mo	Others	T.S N/AM2	Y.S(0.2%) N/AM2	Elong (%)	HB	HRB	HV
AB009	0.020	0.300	1.360	0.029	0.0062	18.300	8.030	0.070	0.250	0.090		633	276	58.0			161.0
AB005	0.017	0.300	1.390	0.031	0.0055	18.280	8.010	0.074	0.260	0.100		611	277	56.0			169.0
AB019	0.017	0.300	1.390	0.031	0.0055	18.280	8.010	0.074	0.260	0.100		611	277	56.0			169.0
AB002	0.017	0.300	1.390	0.031	0.0055	18.280	8.010	0.074	0.260	0.100		611	277	56.0			169.0
AB003	0.017	0.300	1.390	0.031	0.0055	18.280	8.010	0.074	0.260	0.100		611	277	56.0			169.0
AB010	0.030	0.570	1.140	0.030	0.0010	18.200	8.000	0.050	0.024			666	267	50.0			85.5
AB012	0.047	0.470	1.010	0.034	0.0040	18.180	8.120	0.059				632	281	54.1			84.6
AB006	0.050	0.501	1.108	0.034	0.0035	18.190	8.050					658	243	61.0			167.0

茲證明本廠所製產品，均依材料規格製造及出爐，並符合規格之要求。  
We hereby certify that the products described herein have been manufactured and tested with satisfactory results in accordance with the requirement of the above material specification.

本產品無毒耐腐蝕，並符合美國、日本及歐洲之安全衛生標準。  
This product is non-toxic and corrosion resistant, and complies with the safety and health standards of the United States, Japan and Europe.

本產品符合ASTM A240/A480之規格。  
This product complies with the ASTM A240/A480 specification.

本產品符合ASTM A240/A480之規格。  
This product complies with the ASTM A240/A480 specification.

QC Manager

Judy Chang



# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM SHEET 6061 T6  
 .0810 Nom X 48.0000" X 144.0000"  
 PART NO.

PO/Rel 30389

We certify that this is a true copy of the report  
 furnished by the producer of the metal, or data  
 resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC-963106-002

10Nov15

Signed by: 

Pg 1/2

### MILL TEST REPORT

TA CHEN INTERNATIONAL, INC.

This MTR contains 2 pages (Page# 1)

Customer: COPCON PO#:PEC-270234 SO#:LKBK80

MTR#:HECL1769-1.GIF

Item: 080481446061T6 Bundle: Z-1506Y6095-2 Heat#: Z 1506Y6095

HENAN MINGTAI AL. INDUSTRIAL CO., LTD  
 HUIGUO ZHEN, GONGYI, HENAN, CHINA 451283  
 TEL: 371-67898611 FAX: 371-67898612

### MILL TEST CERTIFICATE

HECL1769-1

TO

TA CHEN INTERNATIONAL INC.

5855 OBISPO AVENUE  
 LONG BEACH, CA 90805  
 TEL: (562)808-8199  
 FAX: (562)808-8110

INVOICE NO.:

TZCH150704

PO NO.:

L52047-S/L52388-S/L52395-S/L52409-S/  
 L52414-S/L52420-S/N07763-VN08112-I

LOADING PORT:

TIANJIN, CHINA

DESTINATION:

CHICAGO, USA

SHIPPING MARKS

N/M

DATE:

10-Jul-15

ISF NO.:

BEFT53500614720

DAS

14

9-89

### DESCRIPTION OF GOODS:

ALUMINUM COIL 1100 O

CERTIFIED TO ASTM B209-10, AMS-QQ-A250/1 AMS 4003 SPECS.

ALUMINUM COIL 3003 H14

CERTIFIED TO ALL AA, ASTM B209-10, AMS/QQA 250/2, AMS 4008K SPECS

ALUMINUM SHEET 5052/H32

CERTIFIED TO ALL AA, ASTM B209-10, AMS/QQA 250/3, AMS 4016M SPECS.

ALUMINUM TREAD COIL AND PLATE 3003 H22/H24

CERTIFIED TO MINGTAI TREAD BRIGHT SPECS.

ALUMINUM SHEET 6061 T6

CERTIFIED TO ASTM B209-10, ASME SB-209, AMS 4027N, AMS-QQ-A-250/11 SPECS.

CIF CHICAGO, USA

### CHEMICAL COMPOSITION

Heat No.	Alloy/Tmp	Si	Fe	Cu	Mn	Mg	Zn	Ti	Cr	Others	Al
Z-1506Y1178	1100 O	0.004	0.471	0.052	0.043	0.005	0.008	0.028	0.007	0.15	REMAINDER
Z-1506Y1179	1100 O	0.005	0.459	0.051	0.008	0.008	0.004	0.025	<0.001	0.15	REMAINDER
B-15061361	3003 H14	0.005	0.559	0.112	1.109	0.002	0.007	0.030	0.007	0.15	REMAINDER
B-15061362	3003 H14	0.006	0.567	0.112	1.146	0.014	0.007	0.035	0.008	0.15	REMAINDER
B-15061365	3003 H14	0.003	0.577	0.110	1.112	0.007	0.005	0.032	0.007	0.15	REMAINDER
B-15061366	3003 H14	0.117	0.558	0.106	1.127	0.018	0.010	0.035	0.007	0.15	REMAINDER
B-15061368	3003 H14	0.105	0.560	0.113	1.106	0.007	0.010	0.033	0.014	0.15	REMAINDER
Z-1506Y3239	3003 H14	0.002	0.559	0.110	1.106	0.005	0.010	0.034	0.008	0.15	REMAINDER
Z-1506Y3275	3003 H14	0.005	0.564	0.117	1.147	0.006	0.006	0.036	0.009	0.15	REMAINDER
Z-1506Y8007	3003 H22/H24	0.139	0.564	0.105	1.118	0.020	0.003	0.035	0.013	0.15	REMAINDER
Z-1506Y8082	3003 H22/H24	0.070	0.554	0.138	1.119	0.018	0.005	0.030	0.007	0.15	REMAINDER
Z-1506Y8096	3003 H22/H24	0.098	0.522	0.093	1.043	0.005	0.001	0.029	0.007	0.15	REMAINDER
Z-1506Y8171	3003 H22/H24	0.104	0.551	0.094	1.022	0.010	0.001	0.032	0.009	0.15	REMAINDER
Z-1506Y8207	3003 H22/H24	0.095	0.590	0.090	1.066	0.008	0.001	0.030	0.009	0.15	REMAINDER
Z-1506Y8210	3003 H22/H24	0.095	0.508	0.084	1.032	0.018	0.001	0.028	0.009	0.15	REMAINDER
Z-1506Y8219	3003 H22/H24	0.058	0.340	0.143	0.917	0.004	0.016	0.027	0.037	0.15	REMAINDER
ZB-1506Y8107	3003 H22/H24	0.111	0.502	0.111	1.174	0.010	0.007	0.035	0.009	0.15	REMAINDER
ZB-1506Y8110	3003 H22/H24	0.088	0.505	0.125	1.186	0.018	0.007	0.032	0.010	0.15	REMAINDER
Z-1506Y8095	6061 T6	0.024	0.346	0.262	0.025	1.056	0.006	0.025	0.197	0.15	REMAINDER

### MECHANICAL PROPERTY

Heat No.	Alloy/Tmp	Specs(In)	Tensile strength		Yield strength		Elongation
			Mpa	Ksi	Mpa	Ksi	
Z-1506Y1178	1100 O	0.23" x 1.25" C	100	15	53	9	38

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM SHEET 6061 T6  
.0810 Nom X 48.0000" X 144.0000"  
PART NO.

PO/Rel 30389

We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC-963106-002

10Nov15

Signed by: \_\_\_\_\_

Pg 2/2

### MILL TEST REPORT

TA CHEN INTERNATIONAL, INC.

This MTR contains 2 pages (Page# 2)

Customer: COPCON PO#:PEC-270234 SO#:LKBK80

MTR#:HECL1769-2.GIF

Item:.080481446061T6 Bundle:Z-1506Y6095-2 Heat#:Z-1506Y6095

### HECL1769-2

Z-1506Y1179	1100 0	023°41'25"C	104	15	60	9	28
B-15061381	3003 H14	154°00"C	167	23	147	21	11
B-15061382	3003 H14	083°00"C	162	23	158	23	14
B-15061385	3003 H14	100°00"C	162	23	150	22	12
B-15061386	3003 H14	100°00"C	171	25	158	23	14
D-15061388	3003 H14	125°00"C	159	23	140	20	10
Z-1506Y3239	3003 H14	180°48"C	141	20	128	19	18
Z-1506Y3275	3003 H14	100°48"C	141	20	125	18	18
Z-1506Y8007	3003 H22/H24	125°48'120	121	18	104	15	18
Z-1506Y8062	3003 H22/H24	125°40'120	125	18	103	15	20
Z-1506Y8098	3003 H22/H24	083°48'00	133	18	100	15	10
Z-1506Y8171	3003 H22/H24	100°00'120	134	18	121	18	15
Z-1506Y8207	3003 H22/H24	083°48"C	125	18	92	13	14
Z-1506Y8210	3003 H22/H24	083°48'120	125	18	90	13	14
Z-1506Y8219	3003 H22/H24	083°48'00	127	18	93	13	12
ZB-1506Y8107	3003 H22/H24	125°48'120	127	18	92	13	20
ZB-1506Y8110	3003 H22/H24	125°48'00	133	18	85	14	20
Z-1506Y8095	6061 T6	080°48'144	311	45	298	43	10

PRODUCER: HENAN MINGTAI AL. INDUSTRIAL CO., LTD  
COUNTRY OF MELT AND MANUFACTURE: CHINA



# MATERIAL RECEIPT INSPECTION FORM

MATERIAL M174  
DATE 15/11/12

PO / BATCH NO 30389/133587

MATERIAL CERT REQD yes  
QUANTITY RECEIVED 12'  
QUANTITY INSPECTED 12'  
QUANTITY REJECTED \_\_\_\_\_

THICKNESS ORDERED RB .750  
THICKNESS RECEIVED RB .750  
SHEET SIZE ORDERED \_\_\_\_\_  
SHEET SIZE RECEIVED \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)		COMMENTS
EXTRA DAMAGE	Y	N	
CORRECT NCR	Y	N	
CORROSION	Y	N	
CORRECT CHAIN ORIENTATION	Y	N	
CORRECT MATERIAL	Y	N	
CORRECT THICKNESS	Y	N	
PHOTO REQUIRED	Y	N	
CORRECT MATERIAL	Y	N	
CORRECT REF # TO LINK CERT	Y	N	
CORRECT MATERIAL IDENTIFICATION	Y	N	
CORRECT # ON THE MATERIAL	Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS DUROMETER READING				

*Testers located in the Quality Office*

<b>QC 18 INSPECTION</b>		<b>ENGINEERING SIGNOFF (if required)</b>	
INSPECTED BY <u>DAS</u>	SIGNED OFF BY _____		
DATE <u>15/11/12</u>	DATE _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL 304  
DATE 15/11/12

PO / BATCH NO 30389/133587

MATERIAL CERT RECEIVED yes  
QUANTITY RECEIVED 24'  
QUANTITY INSPECTED 24'  
QUANTITY REJECTED \_\_\_\_\_

THICKNESS ORDERED RB. 375  
THICKNESS RECEIVED RB. 375  
SHEET SIZE ORDERED \_\_\_\_\_  
SHEET SIZE RECEIVED \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	N	
CORRECT THICKNESS	<input checked="" type="radio"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRR	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS DUROMETER READING				

*testers located in the Quality Office*

<b>QC 18 INSPECTION</b>		<b>ENGINEERING SIGNOFF (if required)</b>	
INSPECTED BY	<u>DAS</u> <u>14</u> <u>9-89</u>	SIGNED OFF BY	
DATE	<u>15/11/12</u>	DATE	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL 304  
DATE 15/11/12

PO / BATCH NO 30389/133587

MATERIAL CORRECTED yes  
QUANTITY RECEIVED 12'  
QUANTITY INSPECTED 12'  
QUANTITY REJECTED \_\_\_\_\_

THICKNESS ORDERED RB. 750  
THICKNESS RECEIVED RB. 750  
SHEET SIZE ORDERED \_\_\_\_\_  
SHEET SIZE RECEIVED \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	N	
CORROSION	Y	N	
CORRECT GRAIN DIRECTION	Y	N	
CORRECT MATERIAL	Y	N	
CORRECT THICKNESS	Y	N	
PHOTO REQUIRED	Y	N	
CORRECT MATERIAL	Y	N	
CORRECT THICKNESS	Y	N	
CORRECT MATERIAL IDENTIFICATION	Y	N	
CORRECT MATERIAL	Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS DUROMETER READING				

*Testers located in the Quality Office*

<b>QC 18 INSPECTION</b>		<b>ENGINEERING SIGNOFF (if required)</b>	
INSPECTED BY <u>DAS</u>	SIGNED OFF BY _____		
DATE <u>15/11/12</u>	DATE _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL M304S186A  
DATE 15/11/12

PO / BATCH NO 30389/133587

MATERIAL CERT REC'D yes  
QUANTITY RECEIVED 160SA  
QUANTITY INSPECTED 160SA  
PLAN NO                     

THICKNESS ORDERED .050"  
THICKNESS RECEIVED .046"  
SHEET SIZE ORDERED 4'X8'  
SHEET SIZE RECEIVED 4'X8'

DESCRIPTION	NCR (Check Y/N)		COMMENTS
WELDING DAMAGE	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORROSION	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT THICKNESS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
PHOTO REQUIRED	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT REFERENCE TO LINK CERT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
DEFECTS ON THE MATERIAL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS DUROMETER READING				

Testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY	<u>DAS</u> <u>14</u> <u>9-89</u>	SIGNED OFF BY	
DATE	<u>15/11/12</u>	DATE	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



# MATERIAL RECEIPT INSPECTION FORM

MATERIAL  
DATE

6061T6  
15/11/12

PO / BATCH NO

30389/133587

W. AN. COR. 100%  
W. AN. COR. 100%  
W. AN. COR. 100%  
W. AN. COR. 100%

yw  
24'  
24'

THICKNESS ORDERED  
THICKNESS RECEIVED  
SHEET SIZE ORDERED  
SHEET SIZE RECEIVED

.375X1.00  
.375X1.00

DESCRIPTION	NCR (Check Y/N)		COMMENTS
REAL ANALYSIS	Y	<input checked="" type="radio"/>	
CORRECTNESS	<input checked="" type="radio"/>	N	
CORROSION	Y	<input checked="" type="radio"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/>	N	
CORRECT MATERIAL	<input checked="" type="radio"/>	N	
CORRECT THICKNESS	<input checked="" type="radio"/>	N	
CORRECT ORDER	Y	<input checked="" type="radio"/>	
CORRECT MATERIAL	<input checked="" type="radio"/>	N	
CORRECT ORDER OF INK LINE	<input checked="" type="radio"/>	N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/>	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/>	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/>	
DOES THIS REQUIRE AN ANALYSIS REPORT	Y	<input checked="" type="radio"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW				
	HRC	HRB	DURA	DUR D
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS DUROMETER READING				

Testers located in the Quality Office

QC 18 INSPECTION

ENGINEERING SIGNOFF (if required)

INSPECTED BY  
DATE

DAS  
14  
9-89

15/11/12

SIGNED OFF BY  
DATE

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL 6061T6  
DATE 15/11/12

PO / BATCH NO 30389/133587

QUANTITY ORDERED 46  
QUANTITY RECEIVED 12  
QUANTITY INSPECTED 12  
QUANTITY REJECTED   

THICKNESS ORDERED 1.00X2.00  
THICKNESS RECEIVED 1.00X2.00  
SHEET SIZE ORDERED     
SHEET SIZE RECEIVED   

DESCRIPTION	NCR (Check Y,N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT CLEANNESS	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT FINISH TO LINK CERT	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT MARKING ON MATERIAL	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS DUROMETER READING				

*testers located in the Quality Office*

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY <u>DAS</u>	SIGNED OFF BY <u>  </u>	
DATE <u>15/11/12</u>	DATE <u>  </u>	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL 6061T6  
DATE 15/11/12

PO / BATCH NO 30389/133587

MATERIAL CHECKED yes  
QUANTITY RECEIVED 12  
QUANTITY INSPECTED 12  
QUANTITY REJECTED \_\_\_\_\_

THICKNESS ORDERED 1.50x2.50  
THICKNESS RECEIVED 1.50x2.50  
SHEET SIZE ORDERED \_\_\_\_\_  
SHEET SIZE RECEIVED \_\_\_\_\_

DESCRIPTION	NCR (Check Y, N)		COMMENTS
SURFACE DAMAGE	Y	(N)	
CORRECT FINISH	(Y)	N	
CORROSION	Y	(N)	
CORRECT GRAIN DIRECTION	(Y)	N	
CORRECT MATERIAL	(Y)	N	
CORRECT THICKNESS	(Y)	N	
PHOTO REQUIRED	Y	(N)	
CORRECT MATERIAL	(Y)	N	
CORRECT REF # TO LINK CERT	(Y)	N	
CORRECT MATERIAL IDENTIFICATION	(Y)	N	
CORRECT M# ON THE MATERIAL	(Y)	N	
DOS THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)	
DOS THIS REQUIRE AN EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SERIAL NO. OF TEST SAMPLE				
HARDNESS DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY	<u>14</u>	SIGNED OFF BY	_____
DATE	<u>15/11/12</u>	DATE	_____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL 6061T6  
DATE 15/11/12

PO / BATCH NO 30389/133582

MATERIAL CONDITION yes  
QUANTITY RECEIVED 6'  
QUANTITY INSPECTED 6'  
QUANTITY REJECTED \_\_\_\_\_

THICKNESS ORDERED 1.50X3.00  
THICKNESS RECEIVED 1.50X3.00  
SHEET SIZE ORDERED \_\_\_\_\_  
SHEET SIZE RECEIVED \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	(N)	
CORROSION	Y	(N)	
CORRECT GRAIN DIRECTION	(Y)	N	
CORRECT MATERIAL	(Y)	N	
CORRECT THICKNESS	(Y)	N	
PHOTO REQUIRED	Y	(N)	
CORRECT MATERIAL	(Y)	N	
CORRECT REF # TO LINK CERT	(Y)	N	
CORRECT MATERIAL IDENTIFICATION	(Y)	N	
CORRECT M# ON THE MATERIAL	(Y)	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS DUROMETER READING				

*testers located in the Quality Office*

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY <u>14</u>	SIGNED OFF BY _____		
DATE <u>15/11/12</u>	DATE _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL 6061 T6  
DATE 15/11/12

PO / PART NO 30389/33587

MATERIAL CERT RECEIVED yes  
QUANTITY RECEIVED 96 SF  
QUANTITY INSPECTED 96 SF  
QUANTITY REJECTED                     

THICKNESS ORDERED .080  
THICKNESS RECEIVED .080  
SHEET SIZE ORDERED 4'x12'  
SHEET SIZE RECEIVED 4'x12'

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	(N)	
CORROSION	(P)	N	
CORROSION	Y	(N)	
CORRECT GRAIN DIRECTION	(P)	N	
CORRECT MATERIAL	Y	N	
CORRECT THICKNESS	Y	N	
PHOTO REQUIRED	Y	(N)	
CORRECT MATERIAL	(P)	N	
CORRECT COLOR COUPLER	Y	N	
CORRECT MATERIAL IDENTIFICATION	Y	N	
CORRECT M# ON THE MATERIAL	(P)	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGNOFF	Y	(N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS DUROMETER READING				

Testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY <u>IMS</u>	SIGNED OFF BY <u>                    </u>		
DATE <u>15/11/12</u>	DATE <u>                    </u>		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO30389

Purchase Order Date 11/6/2015

PO Print Date 11/6/2015

Page Number 1 of 8

**Order From :**

VC-COP001

THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

**Ship To :** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**FAXED**

**Contact Name**

**Vendor Phone** 905 669 9444

**Ship To Contact**

**Ship To Phone**

**Ship Via:** VENDOR'S TRUCK

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #** 10127-2607

**Terms**

Net 30

**Currency**

CAD

**FOB**

FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M174R0.750	17-4 round bar .750	11/16/2015 Yes 11/16/2015		12.00 f	\$5.33	\$63.90

17-4PH/S17400/TYPER 630 SS ROUND BAR PER AMS 5643/ASTM A564  
GRAIN MUST BE ALONG LENGTH OF BAR. MINIMUM YIELD TENSILE STRENGTH = 100KSI  
MINIMUM ULTIMATE TENSILE STRENGTH = 150 KSI

**Line Total:** \$63.90

2	M304R0.375	304 ROUND BAR 0.375	11/16/2015 Yes 11/16/2015		24.00 f	\$1.46	\$35.00
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MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276

(NOTE: AISI 303 NOT ACCEPTABLE)

**Line Total:** \$35.00

**PO Instructions:** QUOTE NO. PEC ST-863656,  
PEC ST-865054

**Note:**

11/6/2015





Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO30389**

Purchase Order Date 11/6/2015

PO Print Date 11/6/2015

Page Number 2 of 8

**Order From :**  
VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

**Ship To :** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**  
**Vendor Phone** 905 669 9444  
  
**Ship To Contact**  
**Ship To Phone**  
**Ship Via:** VENDOR'S TRUCK  
**Ship Acct:**

**Buyer** Chantal Lavoie  
**Customer POID**  
**Customer Tax #** 10127-2607  
**Terms** Net 30  
**Currency** CAD  
**FOB** FCA - (Free Carrier)

3	M304RO.750	304 SS Roundbar .750	11/16/2015 Yes 11/16/2015	12.00 f	\$3.38	\$40.50
<p>MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 (NOTE: AISI 303 NOT ACCEPTABLE)</p>						

**Line Total:** \$40.50

4	M304S18GA	304/316 .050 Sheet	11/16/2015 Yes 11/16/2015	160.00 sf	\$3.64	\$582.50
<p>PURCHASE MATERIAL: AISI 304/316 SS SHEET ANNEALED SPECIFICATION: MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) ORASTMA240 OR ASME SA240</p>						

SPE-11-11

**Line Total:** \$582.50

**PO Instructions:** QUOTE NO. PEC ST-863656,  
PEC ST-865054

**Note:**

11/6/2015



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO30389

Purchase Order Date 11/6/2015

PO Print Date 11/6/2015

Page Number 3 of 8

Order From : VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	905 669 9444	Customer POID	
Ship To Contact		Customer Tax #	10127-2607
Ship To Phone		Terms	Net 30
Ship Via:	VENDOR'S TRUCK	Currency	CAD
Ship Acct:		FOB	FCA - (Free Carrier)

5	M304S24GA	304/316 .025 Sheet	11/16/2015	32.00	✓	\$2.97	\$95.00
			Yes	sf			
			11/16/2015				

PURCHASE MATERIAL: AISI 304/316 SS SHEET  
ANNEALED  
SPECIFICATION: MIL-S-5059  
OR AMS 5513 (304)  
OR AMS 5524 (316)  
ORASTMA240  
OR ASME SA240

Line Total: \$95.00

6	M6061T6B0.375X01.000	6061T6 BAR .375 x 1.00	11/16/2015	12.00	24 FT	\$2.92	\$35.00
			Yes				
			11/16/2015				

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

Line Total: \$35.00

PO Instructions: QUOTE NO. PEC ST-863656,  
PEC ST-865054

Note:

11/6/2015



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO30389

Purchase Order Date 11/6/2015

PO Print Date 11/6/2015

Page Number 4 of 8

**Order From :** VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

**Ship To :** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone** 905 669 9444

**Ship To Contact**

**Ship To Phone**

**Ship Via:** VENDOR'S TRUCK

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #** 10127-2607

**Terms** Net 30

**Currency** CAD

**FOB** FCA - (Free Carrier)

7	M6061T6B1.000X02.000	6061-T6 Bar 1.00 x 2.00	11/16/2015	12.00	\$5.44	\$65.25
			Yes	f		
			11/16/2015			

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

**Line Total:** \$65.25

8	M6061T6B1.500X02.500	6061-T6 Bar 1.50 x 2.50	11/16/2015	12.00	\$9.94	\$119.25
			Yes	f		
			11/16/2015			

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

**Line Total:** \$119.25

9	M6061T6B30000X01.500	6061-T6 Bar 3.00 x 1.50	11/16/2015	6.00	\$18.02	\$108.10
			Yes	f		
			11/16/2015			

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

**PO Instructions:** QUOTE NO. PEC ST-863656,  
PEC ST-865054

**Note:**

2015-11-11

11/6/2015



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO30389**

Purchase Order Date 11/6/2015

PO Print Date 11/6/2015

Page Number 5 of 8

**Order From :**  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

VC-COP001

**Ship To :** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**  
**Vendor Phone** 905 669 9444  
  
**Ship To Contact**  
**Ship To Phone**  
**Ship Via:** VENDOR'S TRUCK  
**Ship Acct:**

**Buyer** Chantal Lavoie  
**Customer POID**  
**Customer Tax #** 10127-2607  
**Terms** Net 30  
**Currency** CAD  
**FOB** FCA - (Free Carrier)

**Line Total:** \$108.10

10 M6061T6S.080 6061-T6 .080 Sheet 11/16/2015  
Yes  
11/16/2015

96.00 ✓  
sf \$3.75 ° \$359.70 ✓

MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER  
QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027  
OR ASTM B209

**Line Total:** \$359.70

11 M7075T6B0.375X8.000 7075-T6 Plate 0.375" X 11/18/2015 FN  
8.000", QQ-A 250/12  
Yes  
11/18/2015

24.00  
f \$26.13 \$627.00

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR  
AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR  
PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE

**Line Total:** \$627.00

**PO Instructions:** QUOTE NO. PEC ST-863656,  
PEC ST-865054

**Note:**

11/6/2015



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO30389**

Purchase Order Date 11/6/2015

PO Print Date 11/6/2015

Page Number 6 of 8

**Order From :** VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

**Ship To :** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

<b>Contact Name</b>		<b>Buyer</b>	Chantal Lavoie
<b>Vendor Phone</b>	905 669 9444	<b>Customer POID</b>	
<b>Ship To Contact</b>		<b>Customer Tax #</b>	10127-2607
<b>Ship To Phone</b>		<b>Terms</b>	Net 30
<b>Ship Via:</b>	VENDOR'S TRUCK	<b>Currency</b>	CAD
<b>Ship Acct:</b>		<b>FOB</b>	FCA – (Free Carrier)

12	M7075T6B1.000X7.000	7075-T6 BAR 1.000" X 7.000"	11/18/2015	12.04	\$38.41	\$462.50
			Yes	f		
			11/18/2015			

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR  
AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR  
PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE

**Line Total: \$462.50**

13	M7075T6B1.500X1.500	7075 T6 BAR 1.500 x 1.500	11/18/2015	22.00	\$20.41	\$449.00
			Yes	f		
			11/18/2015			

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR  
AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR  
PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE

**Line Total: \$449.00**

**PO Instructions:** QUOTE NO. PEC ST-863656,  
PEC ST-865054

**Note:**

11/6/2015



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO30389

Purchase Order Date 11/6/2015

PO Print Date 11/6/2015

Page Number 7 of 8

Order From : VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	905 669 9444	Customer POID	
Ship To Contact		Customer Tax #	10127-2607
Ship To Phone		Terms	Net 30
Ship Via:	VENDOR'S TRUCK	Currency	CAD
Ship Acct:		FOB	FCA - (Free Carrier)

14	M7075T6B3.500X02.000	7075-T6 BAR 3.500' X 2.000" (Cut into 51" pieces)	11/16/2015	17.00	\$45.81	\$778.80
		Yes		f		
		11/16/2015				

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR  
AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR  
PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE

NOTE: CUT 4 PCS AT 51", GRAIN DIRECTION ALONG 51"

Line Total: \$778.80

15	M7075T6B4.000X4.000	7075-T6 BAR 4.000" X 4.000"	11/16/2015	FN	16.00	\$111.00	\$1,776.00
		Yes		f			
		11/16/2015					

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR  
AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR  
PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE

NOTE: CUT 6 PCS AT 32", GRAIN DIRECTION ALONG 32"

Line Total: \$1,776.00

PO Instructions: QUOTE NO. PEC ST-863656,  
PEC ST-865054

Note:

11/6/2015



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO30389**

Purchase Order Date 11/6/2015

PO Print Date 11/6/2015

Page Number 8 of 8

**Order From :** VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

**Ship To :** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone** 905 669 9444

**Ship To Contact**

**Ship To Phone**

**Ship Via:** VENDOR'S TRUCK

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #** 10127-2607

**Terms** Net 30

**Currency** CAD

**FOB** FCA - (Free Carrier)

16	M304B0.500X2.500	304 BAR .500 x 2.50	11/16/2015	12.00	\$18.25	\$219.00
			Yes	f		
			11/16/2015			

**Line Total:** \$219.00

17	71401-45	PROCUREMENT QUALITY CLAUSES	11/16/2015	1.00	\$0.00	\$0.00
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No

**Procurement Quality Clauses**

11/16/2015

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

**Line Total:** \$0.00

**PO Total:** \$5,816.50

**PO Instructions:** QUOTE NO. PEC ST-863656,  
PEC ST-865054

**Note:** Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

**Change Nbr:** 2

**Change Date:** 11/6/2015